

# SEARCH REQUEST FORM

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7 Aug 98

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Search Topic: Respiration Analysis

Please write a detailed statement of search topic. Describe specifically as possible the subject matter to be searched. Define any terms that may have a special meaning. Give examples or relevant citations, authors keywords, etc., if known. For sequences, please attach a copy of the sequence. You may include a copy of the broadest and/or most relevant claim(s).

Info Requirements

Silkoff, McIlwain et al.  
(Philip) (Patricia)

Inventor  
Names

Analyzers for various components  
of breath, mechanical means to  
seal off a cavity, use of analysis  
for diagnosis of disease

What is  
Known

M - Analyze breath for NO levels  
F - Seals off nasal cavity to bet  
tween ~~the~~ Pulmonary NO level  
D - Disease Diagnosis

Use, function  
Benefit

Use of back pressure from  
respirator conduit to seal off  
nasal cavity by causing volume  
closure

Novel

Class 600 Sub 529, 532

Class 128 Sub 200.74, 204.22, 204.23, 205.15

Relevant Paper Attached

Search  
Terms

Detect, sense,  
Analyze, etc.

NO, CO<sub>2</sub>

Partial pressure

Volume, Volume

or soft palate,

Nasal cavity,

Pulmonary gas

Breath Exhaust

## STAFF USE ONLY

Date completed:

8/12/98

Searcher:

Choon

Terminal time:

7:00 PM

Elapsed time:

1:20 PM

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Number of Searches:

1

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5

Search Site

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Type of Search

N.A. Sequence

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Structure

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Vendors

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ISTN

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APS

Geninfo

SDC

DARE/Questel

Other

Best Available Copy

L45 ANSWER 1 OF 12 BIOSIS COPYRIGHT 1998 BIOSIS

AN 98:192151 BIOSIS

DN 01192151

TI The dose response of the fall in exhaled nitric oxide after inhaled steroid in asthma.

AU **Silkoff P**; Caramori M; McClean P; Slutsky A S; Zamel N

CS Div. Respiratory Med., Univ. Toronto, Toronto, ON, Canada

SO Annual Congress of the European Respiratory Society, Berlin, Germany, September 20-24, 1997. European Respiratory Journal Supplement 10 (25). 1997. 158S-159S. ISSN: 0904-1850

DT Conference

LA English

L45 ANSWER 2 OF 12 BIOSIS COPYRIGHT 1998 BIOSIS

AN 98:153123 BIOSIS

DN 01153123

TI Measurement of pulmonary exhaled nitric oxide: Relationship to exhalation rates and inline versus bag collection techniques.

AU Kisson N; **Silkoff P**; Murphy S; Blake K; Cancel D; Taylor C

CS Univ. Fla., Nemours Children's Clinic, Gainesville, FL, USA

SO Meeting of the Western Section of the American Federation for Medical Research, Carmel, California, USA, February 5-7, 1998. Journal of Investigative Medicine 46 (1). 1998. 151A. ISSN: 1081-5589

DT Conference

LA English

L45 ANSWER 3 OF 12 BIOSIS COPYRIGHT 1998 BIOSIS

AN 97:117347 BIOSIS

DN 99416550

TI Marked flow-dependence of exhaled nitric oxide using a new technique to exclude nasal nitric oxide.

AU **Silkoff P E**; McClean P A; Slutsky A S; Furlott H G;

Hoffstein E; Wakita S; Chapman K R; Szalai J P; Zamel N

CS Mt. Sinai Hosp., Rm. 656, 600 University Avenue, Toronto, ON M5G 1X5, Canada

SO American Journal of Respiratory and Critical Care Medicine 155 (1). 1997. 260-267. ISSN: 1073-449X

LA English

L45 ANSWER 4 OF 12 BIOSIS COPYRIGHT 1998 BIOSIS

AN 97:57052 BIOSIS

DN 99356255

TI Exhaled lung nitric oxide measured at a fixed low flow rate is high in asthma and falls after inhaled steroid.

AU **Silkoff P**; Wakita S; Caramori M; Macclean P; Slutsky A S;

Zamel N

CS Div. Respiratory Med., Univ. Toronto, Toronto, ON, Canada

SO Annual Congress European Respiratory Society, Stockholm, Sweden, September 7-11, 1996. European Respiratory Journal Supplement 9 (23). 1996. 14S. ISSN: 0904-1850

DT Conference

LA English

L45 ANSWER 5 OF 12 BIOSIS COPYRIGHT 1998 BIOSIS

AN 96:95536 BIOSIS

DN 98667671

TI Nasal nitric oxide excretion and the change in nasal minimal cross sectional area to local L-NAME administration-preliminary results.

AU **Silkoff P**; Roth Y; Cole P; Chapnik J; Zamel N

CS Dep. Med., Fac. Med., Univ. Toronto, Toronto, ON, Canada

SO Annual Congress of the European Respiratory Society, Barcelona, Spain, September 16-20, 1995. European Respiratory Journal 8 (SUPPL. 19). 1995. 139S. ISSN: 0903-1936

*References to  
Silkoff  
on  
nitric oxide*

DT Conference  
LA English

L1 82 S BREATH ANALYZER OR BREATHALYZER  
L2 75 S L1 AND (NO OR NITRIC OXIDE)  
L3 0 S L2 AND VELLUM  
L4 0 S L2 AND GLOTTIS  
L5 298 S VELLUM  
L6 2 S L5 AND GLOTTIS  
L7 0 S L2 AND MOUTH PRESSURE  
L8 0 S L2 AND MOUTH (5W) PRESSURE  
L9 918 S MOUTH (5W) PRESSURE  
L10 0 S L9 AND (BREATH ANALYZER OR BREATHALYZER)  
L11 73 S L9 AND BREATH  
L12 16 S L11 AND ANALYSIS  
L13 15 S L12 AND (NO OR NITRIC OXIDE)